	Application N .	Applicant(s)	
Made PAH	09/976,987	CLARKE ET AL.	
Notice of Allowability	Examin r	Art Unit	
	Jane Rhee	1745	
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGOT OF THE OFFICE	OR REMAINS) CLOSED in this apport of the properties of the communication GHTS. This application is subject to	olication. If not included will be mailed in due course, TH	
1. \square This communication is responsive to <u>5/13/2006</u> .			
2. The allowed claim(s) is/are <u>1-8,13,15,16,20,23-25 and 28-7</u>	<u>7</u> .		
 3. ☐ Acknowledgment is made of a claim for foreign priority und a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 	• • • • • • • • • • • • • • • • • • • •		
Certified copies of the priority documents have			
3. Copies of the certified copies of the priority doc	•		10
International Bureau (PCT Rule 17.2(a)).	unionis have been received in this i	iadonal stage application from th	C
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" on noted below. Failure to timely comply will result in ABANDONMETHIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to file a reply of this communication.	complying with the requirements	
4. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which gives			
5. CORRECTED DRAWINGS (as "replacement sheets") must	be submitted.		
(a) I including changes required by the Notice of Draftsperso	on's Patent Drawing Review (PTO-9	948) attached	
1) hereto or 2) to Paper No./Mail Date			
(b) including changes required by the attached Examiner's Paper No./Mail Date	Amendment / Comment or in the O	ffice action of	
Identifying indicia such as the application number (see 37 CFR 1.8 each sheet. Replacement sheet(s) should be labeled as such in the	34(c)) should be written on the drawin e header according to 37 CFR 1.121(c	gs in the front (not the back) f	
6. DEPOSIT OF and/or INFORMATION about the depos attached Examiner's comment regarding REQUIREMENT F	it of BIOLOGICAL MATERIAL m OR THE DEPOSIT OF BIOLOGICA	nust be submitted. Note the AL MATERIAL.	
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Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	E	-tt Alineting (DTO 450)	
2. Notice of Draftperson's Patent Drawing Review (PTO-948)		atent Application (PTO-152)	
2. Thouse of Draitperson's Patent Drawing Review (P10-340)	 Interview Summary € Paper No./Mail Date 	(P1O-413), ∋	
 Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date 	3), 7. Examiner's Amendm		
4. Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's Stateme	nt of Reasons for Allowance	
of Biological Material	9.		
PATRICK JOSEPH RYAN SUPERVISORY DATE: The second of the se			

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Reasons for Allowance

1. The following is an examiner's statement of reasons for allowance: The prior art discloses a gas permeable membrane that comprises a microporous polymeric film comprising a network of interconnected pores such that gases can pass through the film and a polymeric coating on the microporous film (col. 2 lines 43-50). The prior art further discloses that the polymeric coating membrane has a oxygen permeability (OTR), of at least 775,000 ml/m².atm.24hrs (50,000cc/100 inch².atm.24hrs.) (col. 2 line 52) and has a CO₂/O₂ permeability ratio (R) of at least 1.5 (col. 2 line 54). However, the prior art fails to teach or suggest that the pores in the microporous film have an average pore size of less than 0.24 micron and greater than zero. Applicant explains in specification page 4 lines 17-25 that the size and distribution of the pores in the microporous film are important factors. If the pores are too small, the coating polymer tends to form a continuous layer which is either too thin to be durable under routine handling, or too thick to have an acceptable OTR(oxygen transmission rate). If the pores are too large, the coating polymer may be unable to bridge over them, so that the coating plays little or no part in determining the permeability characteristics of the membrane. This may happen even if the average pore size is relatively low, if the pores have a wide range of sizes; for example the coating polymer may effectively block many of the pores, but still fail to block the larger pores whose permeability then dominates the permeability of the membrane as a whole. The reference, alone or in combination fail to recognize the effect or criticality of the pore size and are therefore not seen to teach or fairly suggest to invent as claimed.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jane Rhee whose telephone number is 571-272-1499. The examiner can normally be reached on M-F 9-6.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached on 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Jane Rhee May 25,2006

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